

FIG. 1 (PRIOR ART)

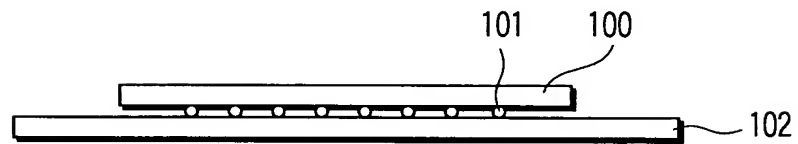


FIG. 2 (PRIOR ART)

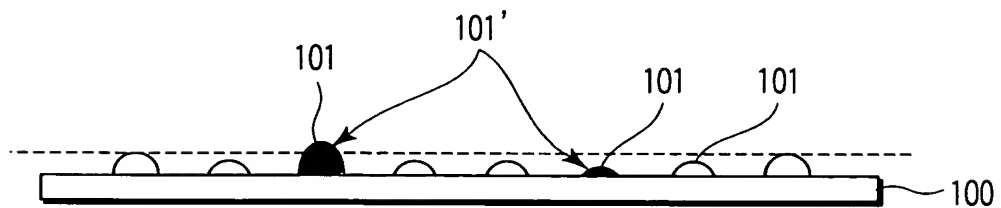


FIG. 3 (PRIOR ART)

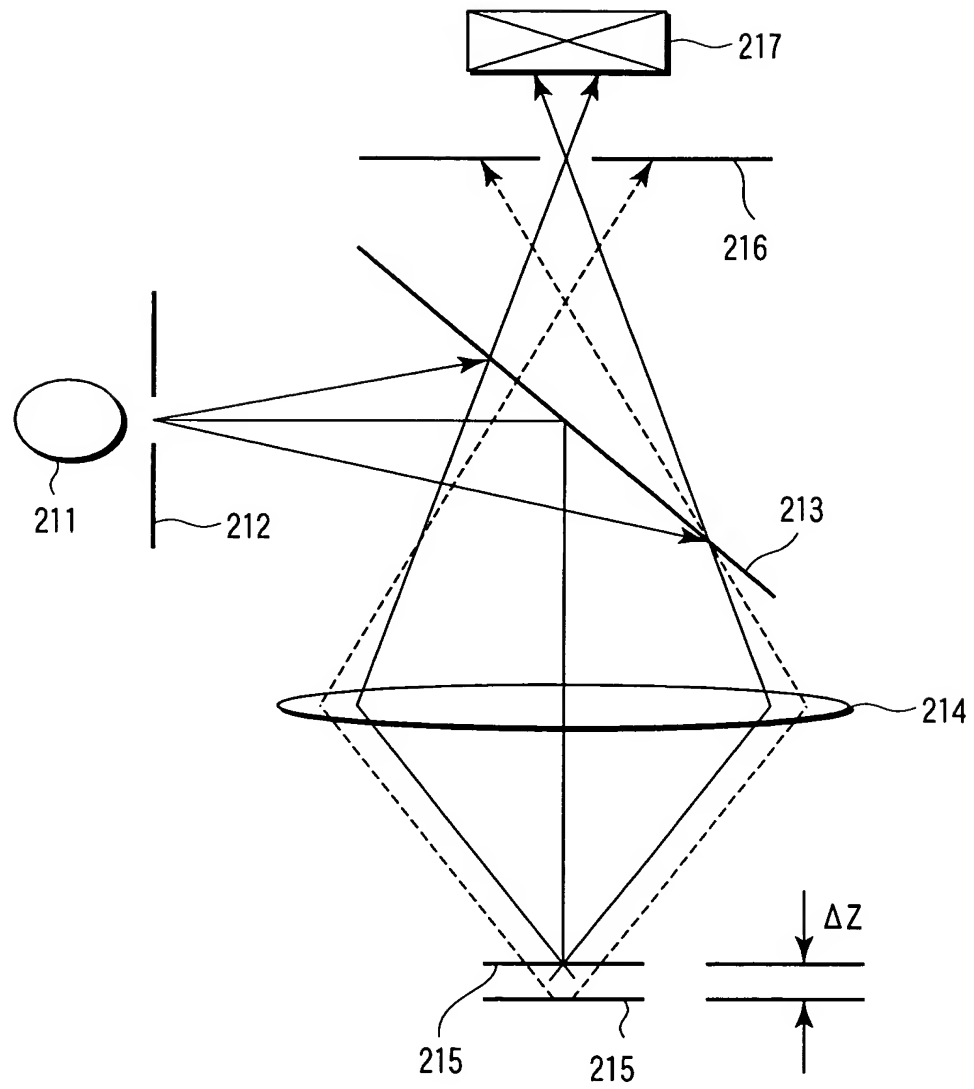


FIG. 4 (PRIOR ART)

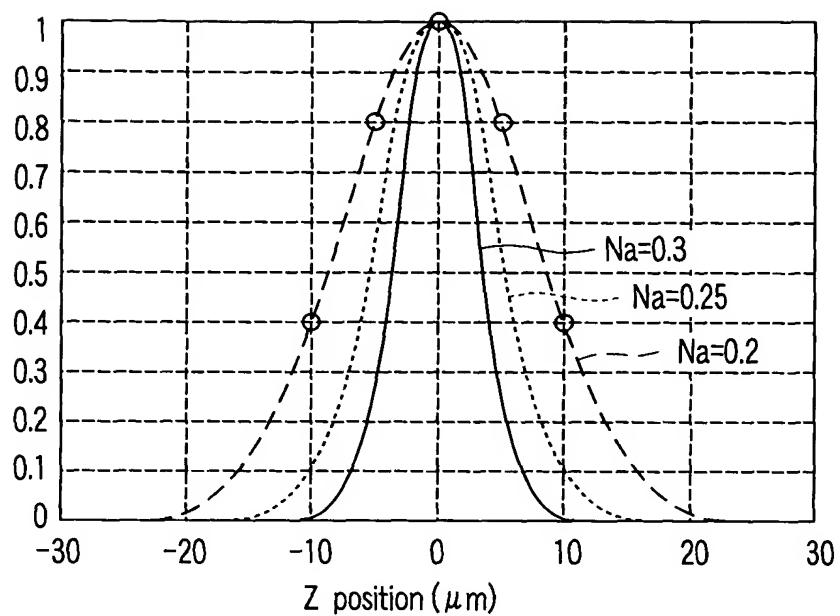


FIG. 5 (PRIOR ART)

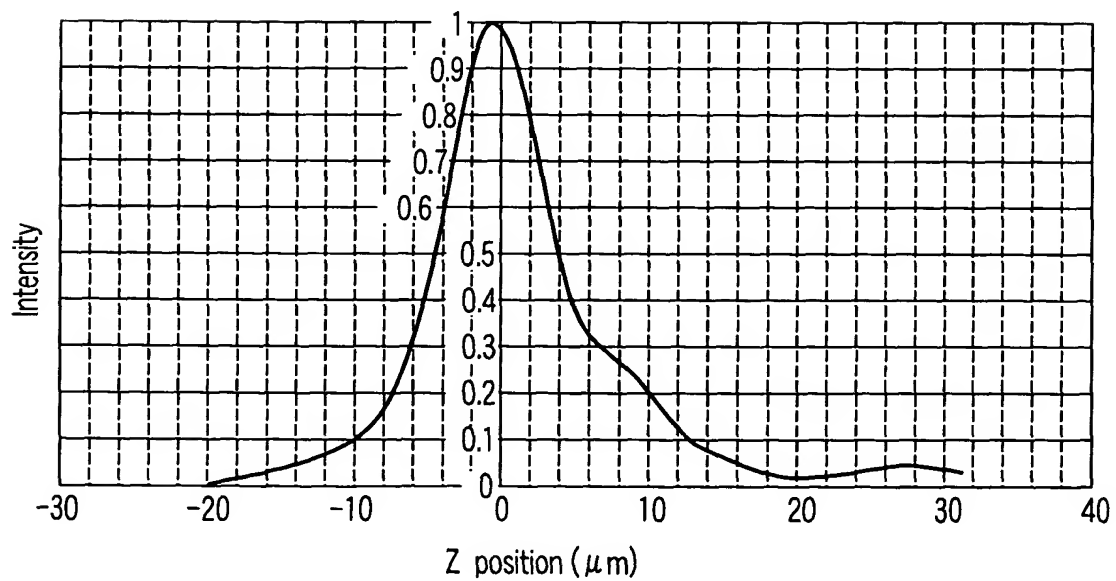


FIG. 6 (PRIOR ART)

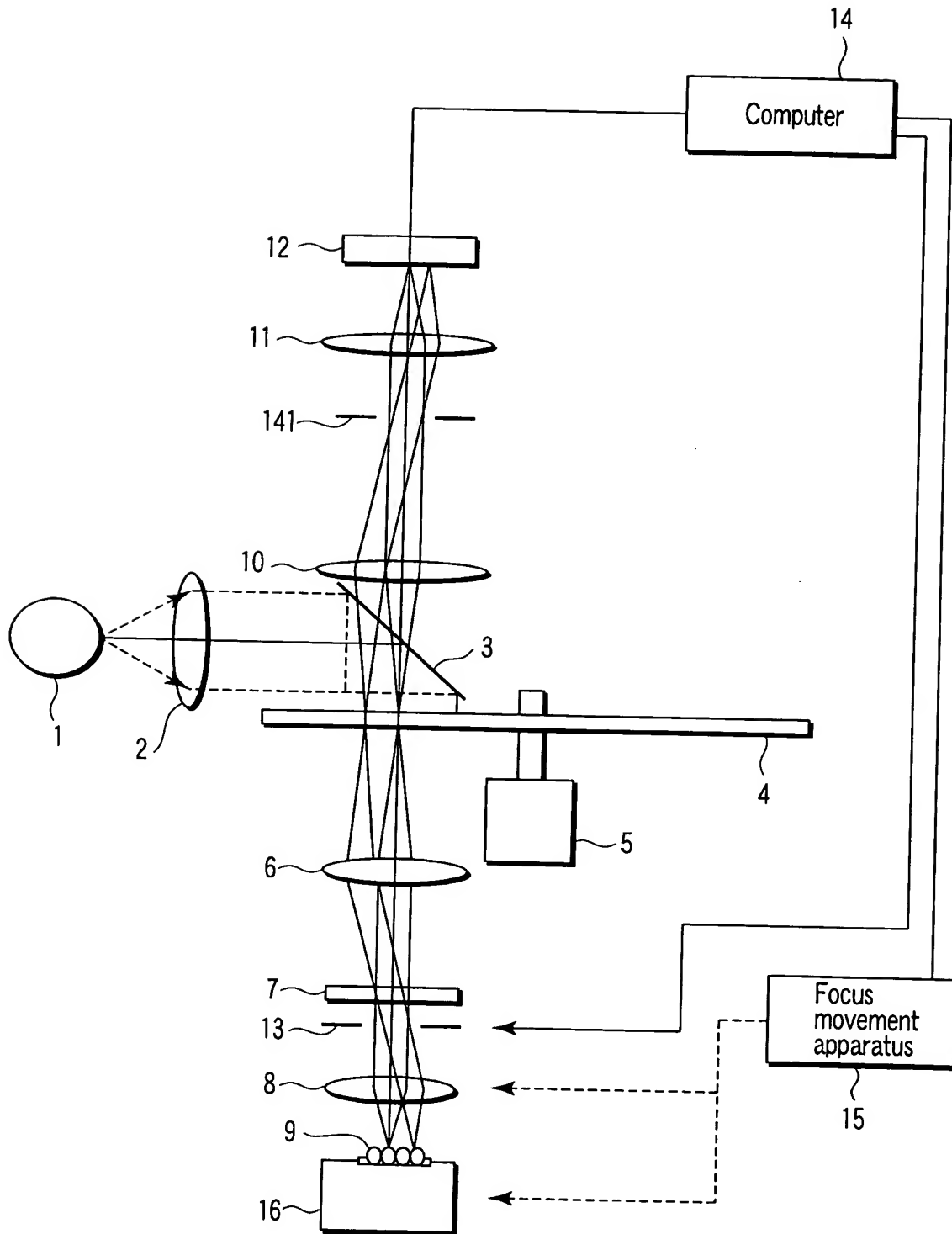
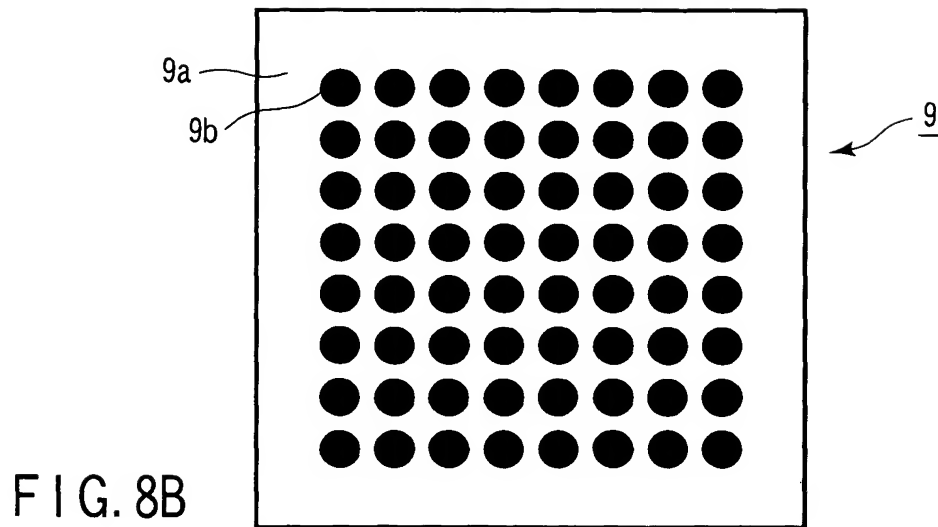
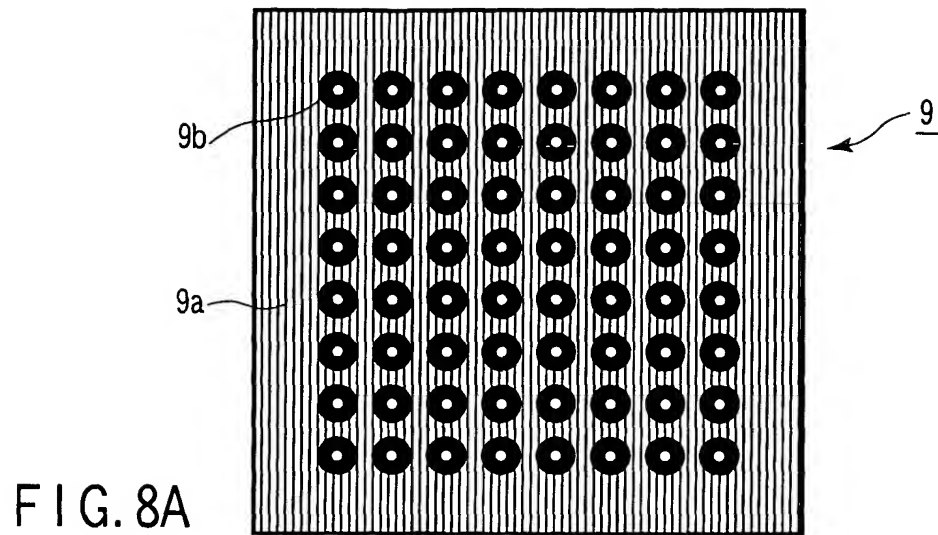


FIG. 7



| NA of objective lens | W0.5 ( $\mu\text{m}$ ) | $\Delta Z(\mu\text{m})=W0.5/3$ | Emission of image formation lens 6 NA' | Airy disk diameter on DISK $\phi a(\mu\text{m})$ |
|----------------------|------------------------|--------------------------------|--|--|
| 0.3                  | 8                      | 2.67                           | 0.1                                    | 6.71   |
| 0.25                 | 11.4                   | 3.8                            | 0.083                                  | 8.08   |
| 0.2                  | 17.6                   | 5.87                           | 0.067                                  | 10.01  |

FIG. 9

FIG. 10

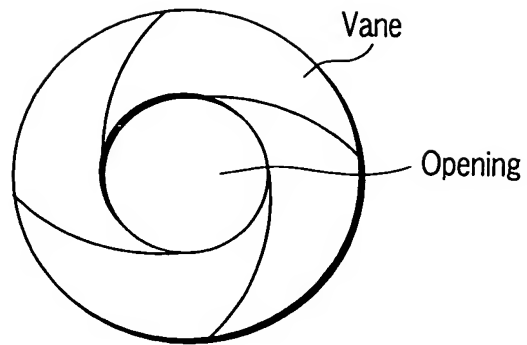


FIG. 11

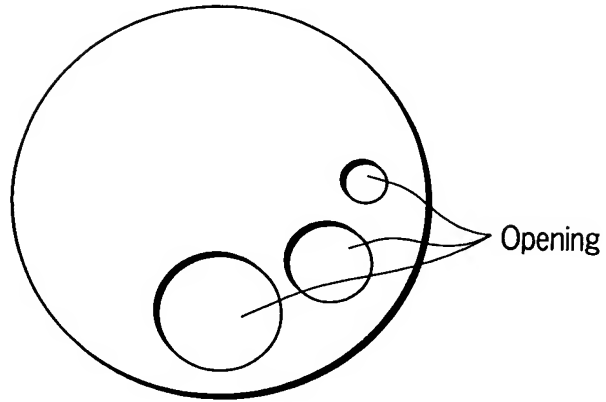


FIG. 12

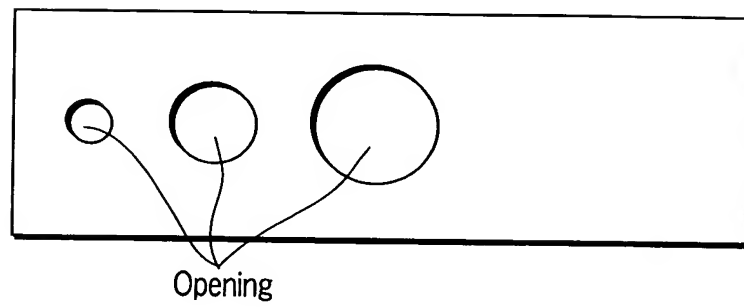
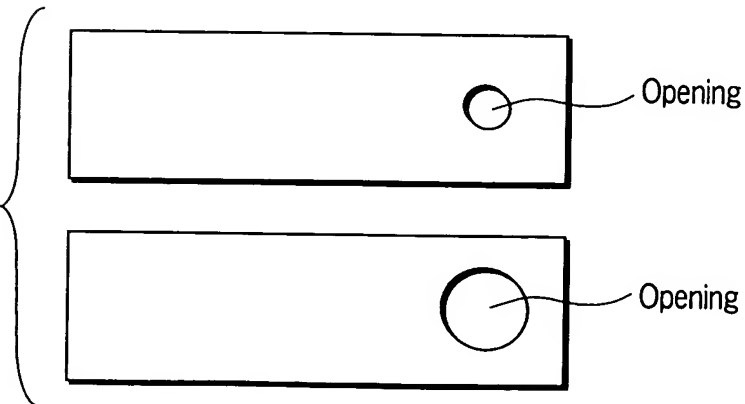


FIG. 13



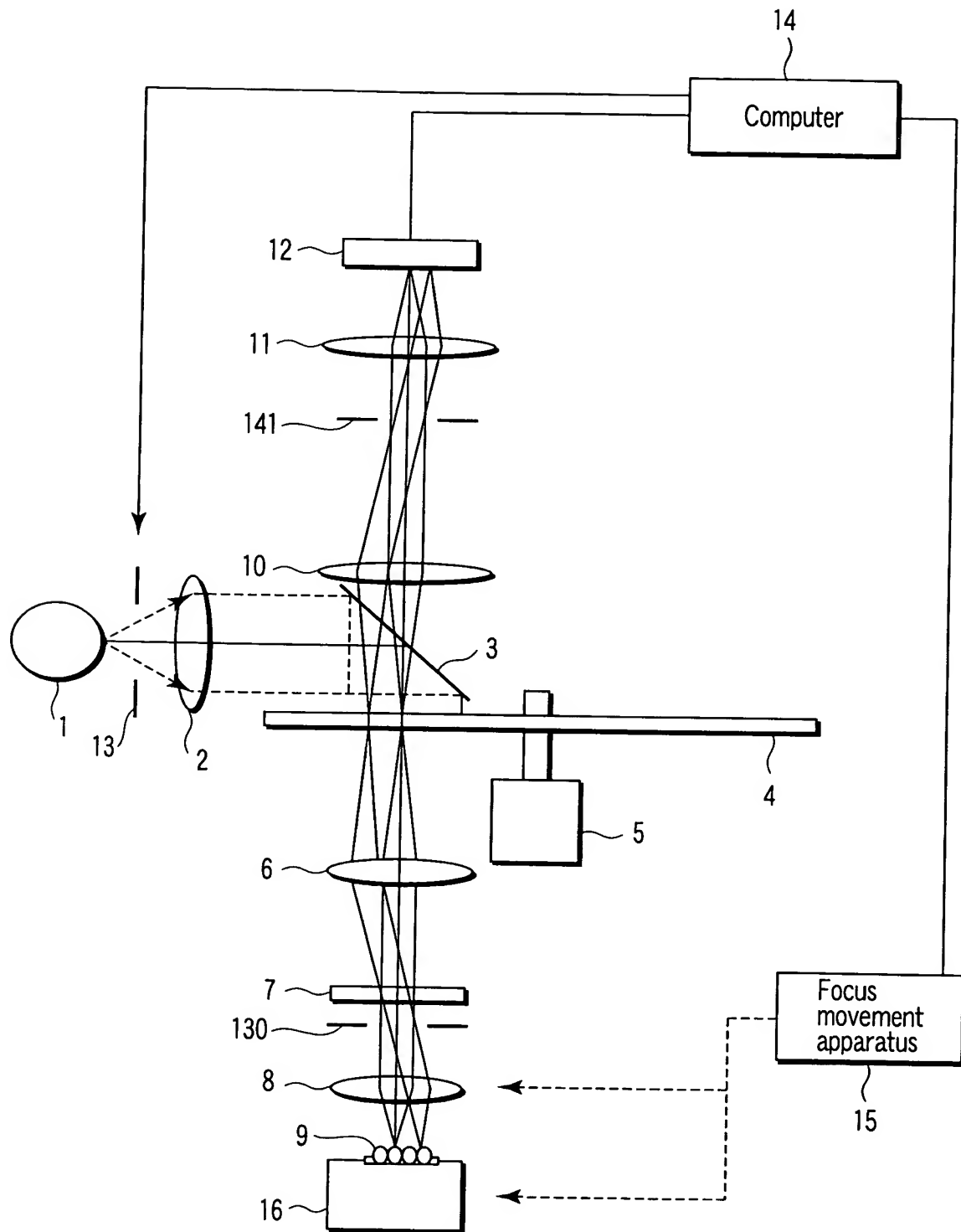


FIG. 14





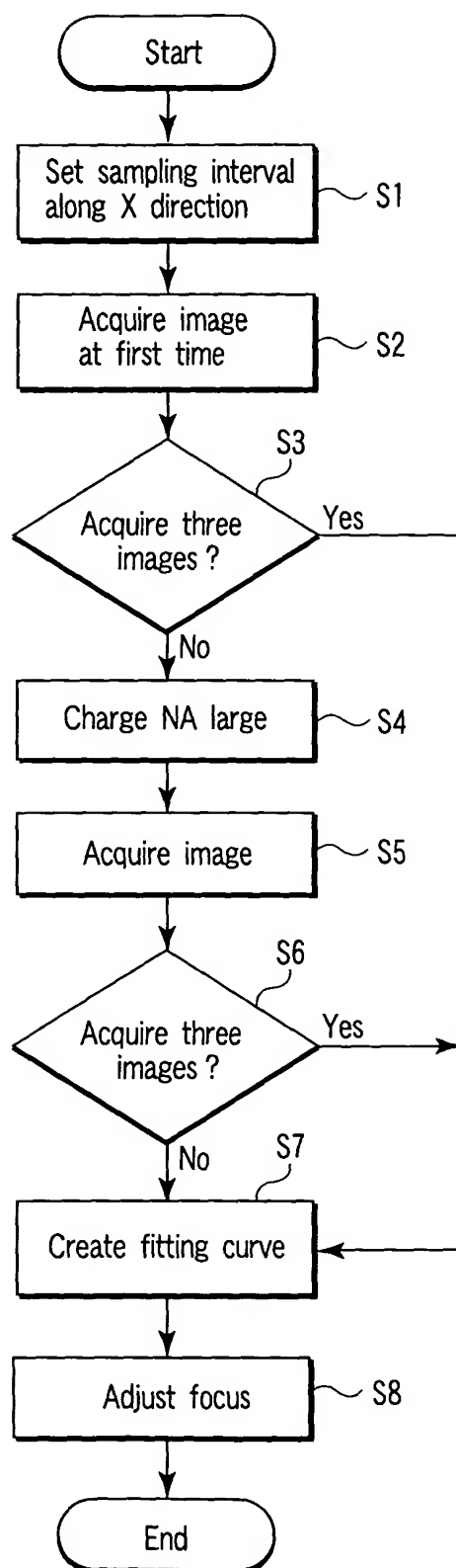


FIG. 16

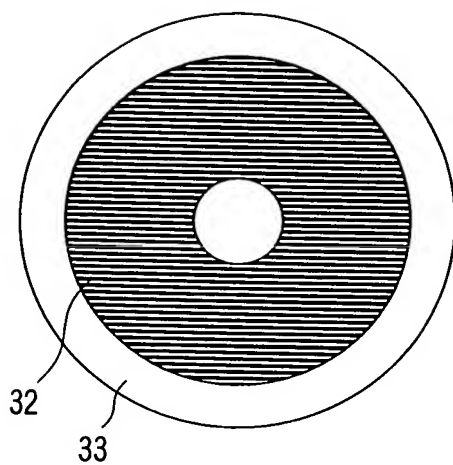


FIG. 17A

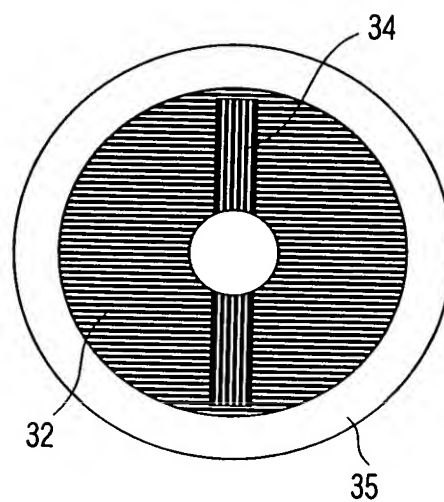


FIG. 17B

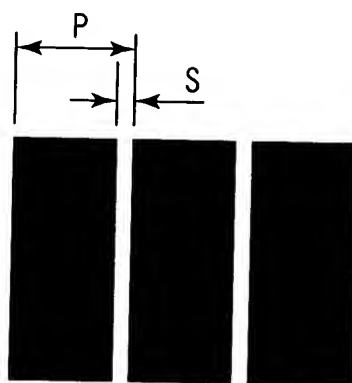


FIG. 17C